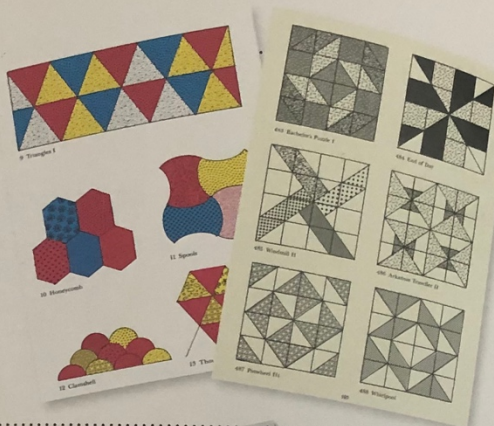


## Designing

5

There are numerous ways to create patchwork designs. This design is based on a simple triangle pattern called 'Birds in the Air'.



6

Plan your patchwork by hand first and play with some paper combinations. Print your scanned patterns out on paper.

Cut out squares of 8 x 8 cm (3 x 3 in) and cut them in half to make triangles. Play around with the squares to make different arrangements, securing them with tape.



7

Once you have a plan you can start to create your digital patchwork. Remember, this is a lot quicker than sewing it!

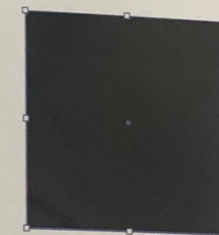
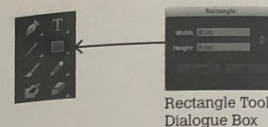


## Preparing patchwork

8

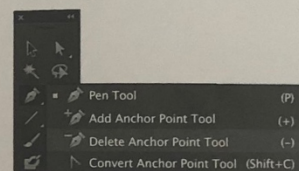
Open a new A4 document in Illustrator. Make sure Snap to Point is on.

**View > Snap to Point**  
Use the Rectangle tool to create an 8 x 8 cm (3 x 3 in) square. Double click on the Rectangle tool and the Rectangle dialog box will appear. Input 8 x 8 cm (3 x 3 in). Click OK. A square will appear. Select the square, open the Edit menu and select Fill. In the Fill dialog box, select Black.

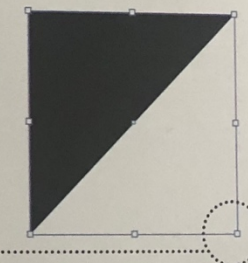


9

With your square selected Go to the toolbar and select the small arrow on the bottom right of the Pen tool. A drop down menu will appear. Choose the Delete Anchor Point tool and, with this selected, click on the bottom right hand anchor point of your square. It will delete this anchor point and create a white triangle shape.



**NOTE**  
DELETE BOTTOM  
RIGHT HAND  
ANCHOR POINT.

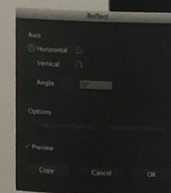


10

Now you can create a new triangle by using the Transform tools. With your triangle selected go to

**Object > Transform > Reflect**

A dialog box will appear. Select Horizontal and click Copy. A new triangle will appear that has been reflected.



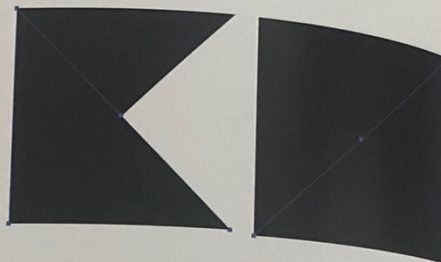
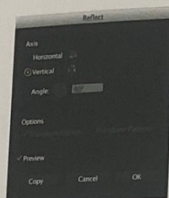
## Making a patch unit

11

To build up a basic patch unit you're going to vertically reflect the second triangle. Go to **Object > Transform > Reflect**.

A dialogue box will appear. Select Vertical, click OK.

Your second triangle will be reflected, so you will now have two triangles to make your first patch.



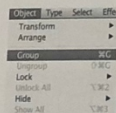
12

Select the bottom right hand triangle, open the Edit menu and select Fill. In the Fill dialogue box, select a colour.

Fill this triangle with a colour. Group both triangles together.

Choose Object in the Option menu.

**Object > Group**



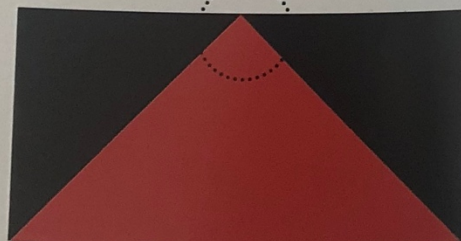
13

With square selected go to **Object > Transform > Reflect**.

The Reflect dialogue box will appear. Select Vertical and click Copy.

Using the Direct Select tool, select the top left corner anchor point and snap it to place to the other square's top right corner anchor point. When the Direct Select arrow goes white it has snapped to the other anchor point.

**NOTE**  
SNAP TO TOP LEFT  
CORNER ANCHOR  
POINT.



## Basic patch unit

14

Select the new bottom left hand triangle in the square and fill with a new colour: open the Edit menu and select Fill. In the Fill dialogue box, select a new colour.

Group together your two squares. Go to

**Object > Group**



15

Select your two-square unit. In the Option menu choose

**Edit > Copy**

**Select Edit > Paste**

From the toolbar choose the Direct Selection tool and select the copied unit at the top left corner. Move it to Snap to Point to the first unit's lower left hand corner.

Select both units. Go to

**Object > Group**

Your eight-triangle unit is now ready to copy to Photoshop.

Select your unit and copy. In the Option menu select

**Edit > Copy**



**NOTE**  
SNAP TOP LEFT  
CORNER ANCHOR  
POINT TO BOTTOM  
LEFT CORNER.

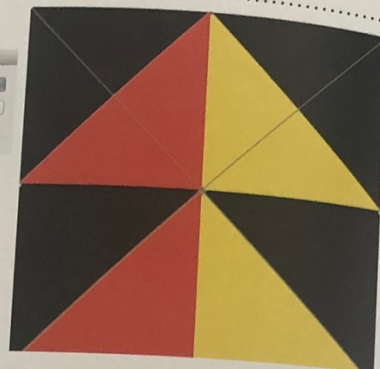
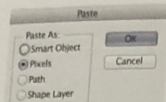
## Paste in patterns

16

Open Photoshop and create a new document 16cm x 16cm (6¼ x 6¼ in). Go to the View menu and check Snap To All is on.

**View > Snap To All**  
In the Options menu select **Edit > Paste**

A Paste dialog box will appear. Select Pixels and click OK. The copied unit will be pasted into your new document. Hit Return to place it.

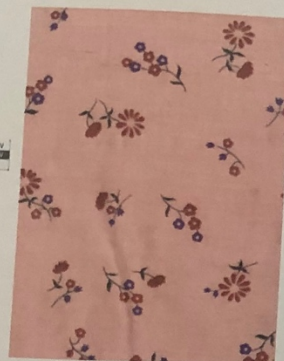
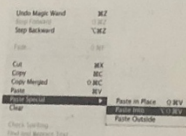


17

In Photoshop open your folder of scanned fabrics, select and open one. Go to

**Select > All**  
**Edit > Copy**

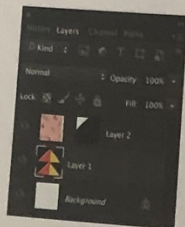
Go back to the Patchwork unit. Select the Magic Wand and the top left triangle of your patchwork unit. Paste the fabric into the unit. Your first triangle is selected. In the Option menu select **Edit > Paste Special > Paste Into**



18

Your fabric will be pasted into the selected triangle. You will see a new layer appear in the Layers palette. Select the Move tool. You can move the fabric around until you are happy with the placement. Now you are ready to paste another fabric in.

In the Layers palette select the layer with the patchwork unit on, in this case Layer 1.



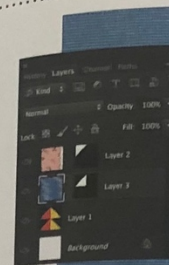
## Making patchwork

19

Open a new fabric, go to **Select > All**  
**Edit > Copy**

Now back to the patchwork. Use the Magic Wand to select the next triangle. In the Option menu choose **Edit > Paste Special > Paste Into**

Your fabric will be pasted into the second triangle. In the Layers palette a new layer will appear. Continue until your unit is complete.

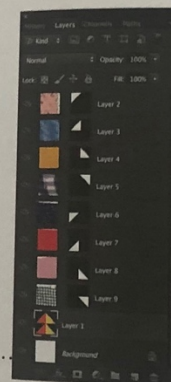


20

Remember to go back to the original patchwork layer (Layer 1) every time you select a new triangle. With your patchwork complete you should have 10 layers.

**Layers > Flatten Layers**

You will now create a half drop repeat. (If you want to just have your Patchwork unit as a simple block repeat, then your design is ready to print!)



21

In the Options menu select your patchwork unit.

**Select > All**

Put a centrepoin in the design as a guide for the half drop.

**Edit > Free Transform**

Crosshairs will appear in the centre. In the View menu go to the rulers at the top of the document window and pull down until it snaps into place over the crosshairs. Click Escape.



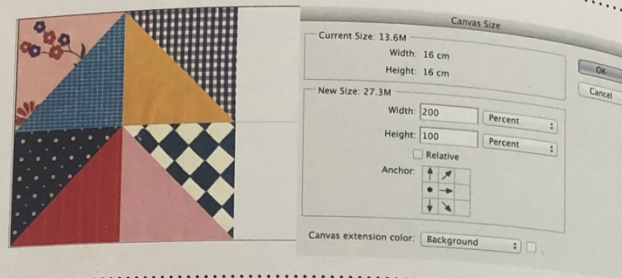
## Creating a repeat

22

Select your patchwork unit and copy it  
**Edit > Copy**

Now extend the canvas horizontally.

**Image > Canvas Size**  
Select the middle left hand square in the Anchor Grid. In Width put 200 percent. Hit Return.



23

**Edit > Paste**

Now move the pasted unit to the bottom so the top snaps to the ruler.



24

Duplicate the new pasted layer.

**Edit > Paste**

Move the pasted unit so the bottom snaps to the top of the ruler. Flatten the layers.

**Layer > Flatten Image**

Your design is now in a half drop repeat and ready to send to the printers.

To check the layout

**Edit > Select All**

**Edit > Define Pattern**

Open a new document  
64 x 64cm (25 x 25 in)  
Fill your new document with the new pattern

**Edit > Fill > Pattern**

Find your pattern in the Pattern Library and click OK. You can now see how your pattern repeats.

